

SEQUENCE LISTING

<110> Lyamichev, Victor Allawi, Hatim Dong, Fang Neri, Bruce
Vener, Tatiana

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<141> 2001-06-15

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<400> 88

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cccgtgtcg gggttgaccc acaagcgccg actgtcggcg ctggggcccg gcgg 114

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 cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctggggccccg gcgc 114

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<210> 92 <211> 114 <212> DNA <213> Artificial <220> <223> Synthetic
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<210> 94 <211> 110 <212> DNA <213> Artificial <220> <223> Synthetic
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<400> 97
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<210> 98 <211> 106 <212> DNA <213> Artificial <220> <223> Synthetic

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<210> 102 <211> 87 <212> DNA <213> Artificial <220> <223> Synthetic

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 cccgctgtcg gggttgaccc acaagcg 87

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<210> 104 <211> 87 <212> DNA <213> Artificial <220> <223> Synthetic

<400> 104
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 cccgctgtcg gggttgaccc acaagct 87

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<400> 105
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<210> 106 <211> 18 <212> DNA <213> Artificial <220> <223> Synthetic

<400> 106
 gtgacagatt gttgttct 18

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<210> 109 <211> 18 <212> DNA <213> Artificial <220> <223> Synthetic

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 els.

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<400> 110
 tcacgtgagc gtccatga 18

<210> 111 <211> 18 <212> DNA <213> Artificial <220> <223> Synthetic

<400> 111
 cagaccgcgc acagcggg 18

<210> 112 <211> 17 <212> DNA <213> Artificial <220> <223> Synthetic

<400> 112
 gctcacgata ccccgac 17

<210> 113 <211> 18 <212> DNA <213> Artificial <220> <223> Synthetic

<400> 113
 tgctcacgat accccgac 18

<210> 114 <211> 18 <212> DNA <213> Artificial <220> <223> Synthetic

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acagtcg	acag	tcg	tcg	ggg	ggg	ggt	ggt	gtt	gtt	18
<210>	116	<211>	18	<212>	DNA	<213>	Artificial	<220>	<223>	Synthetic
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tgacaga	tgac	cag	cag	ctt	ctt	ctt	ctt	ctt	ctt	16
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ccccagc	cccc	agc	agc	ggt	ggt	gtt	gtt	ctt	ctt	18
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<210>	121	<211>	16	<212>	DNA	<213>	Artificial	<220>	<223>	Synthetic
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tgggcgt	tggg	cgt	cgt	ttg	ttg	ttg	ttg	ttg	ttg	16
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ttgggcg	ttgg	cgt	cgt	ttg	ttg	ctt	ctt	gtg	gtg	18
<210>	123	<211>	13	<212>	DNA	<213>	Artificial	<220>	<223>	Synthetic
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 ctttaaggtag gactac 16

<210> 125 <211> 16 <212> DNA <213> Artificial <220> <223> Synthetic
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 cattttccaa ccttaa 16

<210> 126 <211> 14 <212> DNA <213> Artificial <220> <223> Synthetic
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 taaggttagga ctac 14

<210> 127 <211> 16 <212> DNA <213> Artificial <220> <223> Synthetic
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<210> 128 <211> 18 <212> DNA <213> Artificial <220> <223> Synthetic
 <220> <221> misc_feature <222> (15)..(18) <223> The residue at this
 position can be any nucleotide.
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<210> 129 <211> 20 <212> DNA <213> Artificial <220> <223> Synthetic
 <220> <221> misc_feature <222> (15)..(20) <223> The residue at this
 position can be any nucleotide.
 <400> 129
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<210> 130 <211> 22 <212> DNA <213> Artificial <220> <223> Synthetic
 <220> <221> misc_feature <222> (15)..(22) <223> The residue at this
 position can be any nucleotide.
 <400> 130
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<210> 131 <211> 24 <212> DNA <213> Artificial <220> <223> Synthetic

<220> <221> misc_feature <222> (15)..(24) <223> The residue at this position can be any nucleotide.

<400> 131
taaggtagga ctacnnnnnn nnnn 24

<210> 132 <211> 26 <212> DNA <213> Artificial <220> <223> Synthetic

<220> <221> misc_feature <222> (15)..(26) <223> The residue at this position can be any nucleotide.

<400> 132
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<210> 133 <211> 30 <212> DNA <213> Artificial <220> <223> Synthetic

<220> <221> misc_feature <222> (15)..(30) <223> The residue at this position can be any nucleotide.

<400> 133
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<210> 134 <211> 14 <212> DNA <213> Artificial <220> <223> Synthetic

<400> 134
ttttccaacc ttaa 14

<210> 135 <211> 22 <212> DNA <213> Artificial <220> <223> Synthetic

<220> <221> misc_feature <222> (15)..(22) <223> The residue at this position can be any nucleotide.

<400> 135
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<210> 136 <211> 26 <212> DNA <213> Artificial <220> <223> Synthetic

<220> <221> misc_feature <222> (15)..(26) <223> The residue at this position can be any nucleotide.

<400> 136
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<210> 137 <211> 14 <212> DNA <213> Artificial <220> <223> Synthetic

<220> <221> misc_feature <222> (1)..(14) <223> The residues in these positions are 2'-O-methyl nucleotides.

<400> 137
gtagtcctac cttā 14

<210> 138 <211> 14 <212> DNA <213> Artificial <220> <223> Synthetic

<220> <221> misc_feature <222> (1)..(14) <223> The residues in these positions are 2'-O-methyl nucleotides.

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ttaaggttg aaaa 14

<210> 139 <211> 24 <212> DNA <213> Artificial <220> <223> Synthetic

<220> <221> misc_feature <222> (15)..(24) <223> The residue at this position can be any nucleotide.

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ttttccaacc ttaannnnnn nnnn 24

<210> 140 <211> 21 <212> DNA <213> Artificial <220> <223> Synthetic

<220> <221> misc_feature <222> (1)..(1) <223> The residue at this 5' end has a tetrachlorofluorescein label.

<400> 140
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<210> 141 <211> 987 <212> RNA <213> Artificial <220> <223> Synthetic

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ggaccugauc agcuugauac aagaacuacu gauuuaacu ucuuuggcuu aaucucucg 120
gaaacgauga aaauacaag uuauaucuug gcuuuucagc ucugcaucgu uuuggguucu 180
cuuggcuguu acugccagga cccauagua caagaagcag aaaaccuuua gaaauuuuu 240
aaugcagguc auucagaugu agcggauaau ggaacucuuu ucuuaggcau uuugaagaau 300
uggaaagagg agagugacag aaaaauaauug cagagccaaa uugucuccuu uuacuucaaa 360
cuuuuuuuuu acuuuuuaga ugaccagagc auccaaaaga guguggagac caucaaggaa 420
gacaugaauug ucaaguuuuu caauagcaac aaaaagaaac gagaugacuu cgaaaagcug 480
acuaauuuuu cgguaacuga cuugaauugc caacgcaaag caauacauga acucauccaa 540
gugauggcug aacugucgcc agcagcuaaa acagggaagc gaaaaaggag ucagaugcug 600
uuucgagguc gaagagcauc ccaguaaugg uuguccugcc uacaauuuuu gaauuuuuuu 660
ucuaaaucua uuuaauuaa uuuaacauua uuuaauuggg gaauauuuuu uuagacucau 720
caaucaaaaua aguauuuuaa auagcaacuu uuguguaaag aaaaugaaua ucuaauuaa 780

uanguauuau uuauaaauucc uauauccugu gacugucuca cuuaauccuu uguuuucuga 840
 cuaauuaggc aaggcuaugu gauuacaagg cuuuauca ggggccaacu aggcagccaa 900
 ccuaagcaag aucccauggg uuguguguuu auuucacuug augauacaau gaacacuuau 960
 aagugaagug auacuaacca guuacua 987

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<210> 143 <211> 589 <212> RNA <213> Oryctolagus cuniculus

<400> 143
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 aucuguccag ugaggagaag ucugcgguca cugcccugug gggcaaggug aauguggaag 120
 aaguuggugg ugaggcccug ggcaggcugc ugguugucua cccauggacc cagagguucu 180
 ucgaguccuu ugaggaccug uccucugcaa augcuguuau gaacaauccu aaggugaagg 240
 cucauggcaa gaaggugcug gcugccuua gugagggucu gagucaccug gacaaccuca 300
 aaggcaccuu ugcuaagcug agugaacugc acugugacaa gcugcacgug gauccugaga 360
 acuucaggcu ccugggcaac gugcugguua uugugcuguc ucaucauuuu ggcaaagaau 420
 ucacuccuca ggugcaggcu gccuaucaga aggguggugc ugguguggcc aaugcccug 480
 cucacaaaaua ccacugagau cuuuuuuccu cugccaaaaa uuauggggac aucaugaagc 540
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 ccaggacctg gcaatgccca gacatctgtg tccccctcaa aagtcatect gccccgggga 180
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 agcaatgtgc aagaagatag ccaaccaatg tgctattcaa actgccctga tgggcagtca 360
 acagctaaaa ccttcctcac cgtgtactgg actccagaac gggtggaact ggcacccctc 420

ccctcttggc agccagtggg caagaacctt accctacgct gccaggtgga ggggtggggca	480
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gctgtggggg agcccgtga ggtcacgacc acggtgctgg tgaggagaga tcaccatgga	600
gccaatttct cgtgccgcac tgaactggac ctgcggcccc aagggtgga gctgtttgag	660
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gacgagggca cccagcggct gacgtgtgca gtaatactgg ggaaccagag ccaggagaca	960
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gtcatcatca ctgtggtagc agccgcagtc ataatgggca ctgcaggcct cagcacgtac	1560
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cccatgaaac cgaacacaca agccacgcct ccctgaacct atcccgggac agggcctctt	1680
cctcggcctt cccatattgg tggcagtggg gccacactga acagagtgga agacatatgc	1740
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tacaacagca tttggggcca tggtagctgc acacctaaaa cactaggcca cgcattctgat	1860
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ttaaagtcta gcctgatgag aggggaagtg gtgggggaga catagcccca ccatgaggac	1980
atacaactgg gaaatactga aacttgcctgc ctattgggta tgctgaggcc cacagactta	2040
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 cgctctgtca cccaggctgg agtgcagtg tgcaatcatg gttcactgca gtcttgacct 2820
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<210> 147 <211> 20 <212> DNA <213> Artificial <220> <223> Synthetic
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<210> 148 <211> 20 <212> DNA <213> Artificial <220> <223> Synthetic
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<210> 150 <211> 18 <212> DNA <213> Artificial <220> <223> Synthetic

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<210> 151 <211> 33 <212> DNA <213> Artificial <220> <223> Synthetic

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<210> 152 <211> 14 <212> DNA <213> Artificial <220> <223> Synthetic

<400> 152

cccccttttg gggg 14

<210> 153 <211> 30 <212> DNA <213> Artificial <220> <223> Synthetic

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<210> 154 <211> 74 <212> DNA <213> Artificial <220> <223> Synthetic

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<400> 157

aggcgcacca atttggtggt 20

<210> 158 <211> 1621 <212> RNA <213> Human immunodeficiency virus

<400> 158

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ugcuuaagcc ucaauaaagc uugccuugag ugcuucaagu agugugugcc cgucuguugu 120

gugacucugg	uaacuagaga	ucccucagac	ccuuuuaguc	aguguggaaa	aucucuagca	180
gugggcgccc	aacagggacc	ugaaaagcgaa	agggaaacca	gaggagcucu	cucgacgcag	240
gacucggcuu	gcugaagcgc	gcacggcaag	aggcgagggg	cggcgacugg	ugaguacgcc	300
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gcggggggaga	auuagaucga	ugggaaaaaa	uucgguuuag	gccaggggga	aagaaaaau	420
auaaaauuuaa	acauauagua	ugggcaagca	gggagcuaga	acgauucgca	guuaauccug	480
gccuguuaga	aacaucagaa	ggcuguagac	aaauacuggg	acagcuacaa	ccaucuccuuc	540
agacaggau	agaagaacuu	agaucauuau	auaaauacagu	agcaaccuc	uauugugugc	600
aucaaaggau	agagauaaaa	gacaccaagg	aagcuuuaga	caagauagag	gaagagcaaa	660
acaaaaguua	gaaaaaagca	cagcaagcag	cagcugacac	aggacacagc	aaucaggguca	720
gccaaaauuu	cccuauagug	cagaacauc	aggggcaau	gguacaucag	gccauaucac	780
cuagaacuuu	aaaugcaugg	guaaaaguag	uagaagagaa	ggcuucagc	ccagaaguga	840
uacccauguu	uucagcauuu	ucagaaggag	ccacccaca	agauuuuac	accaugcuua	900
acacaguggg	gggacaucaa	gcagccaugc	aaauguuaaa	agagaccauc	aaugaggaag	960
cugcagaaug	ggauagagug	cauccagugc	augcagggcc	uauugcacca	ggccagauga	1020
gagaaccaag	gggaagugac	auagcaggaa	cuacuaguac	ccuucaggaa	caaauaggau	1080
ggaugacaaa	uaauccaccu	aucccaguag	gagaaauua	uaaaagaugg	auaauccugg	1140
gauuaauuaa	aaauaguaaga	auguauagcc	cuaccagcau	ucuggacaua	agacaaggac	1200
caaaggaacc	cuuuagagac	uauguagacc	gguucuaaua	aacucuaaga	gccgagcaag	1260
cuucacagga	gguaaaaaau	uggaugacag	aaaccuuguu	gguccaaaau	gcgaaccag	1320
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